

Title (en)

METHOD AND DEVICE FOR THE LIQUID METAL COATING OF FIBERS MADE OF A CERAMIC MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FLÜSSIGMETALLBESCHICHTUNG VON FASERN AUS EINEM KERAMIKMATERIAL

Title (fr)

PROCEDE ET DISPOSITIF D'ENDUCTION METALLIQUE PAR VOIE LIQUIDE DE FIBRES EN MATERIAU CERAMIQUE

Publication

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Application

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Abstract (en)

[origin: WO2010136687A1] The invention relates to a method for the liquid metal coating of fibers made of a ceramic material, consisting of maintaining a metal load (22) having a spherical shape in a molten state and in levitation within a crucible (12), and running, at a predetermined speed, a stretched fiber made of a ceramic material between an upper pulley (26) and a lower pulley (28) arranged on either side of the crucible such that a portion (35) of the fiber is submerged in the load so as to be covered by a metal coating. During the coating, the portion of the fiber that is submerged in the load is moved based on the remaining volume of the load such that the instantaneous height (h) of the fiber that is submerged in the load remains substantially constant during the entire coating. The invention also relates to a device for implementing said method.

IPC 8 full level

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C-Set (source: EP US)

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